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1000	- -	WO-A-95 01442	1/1995	PCT		I	· · ·				
Dr	士	EP-A-0 532 167	3/1993	EPO							
<u> </u>	-	WO 94 25601	11/1994	PUT							
0		WO 93 00365	01/1993	PCT							
D-		JP 6-319563	11/1994	Japan			Absto	4			
	_		7 . , . ,								
		OTHER DOC	UMENTS (including Author, Title, Date,	Pertinent pages,	etc.)					
no		Kato et al,,"Molecular-	Cloning-of-	the Human Hepatitis C Virus Ge	nome Føjm J apar	lese Patient		on-A-			
erpy				ACAD-SCI-USA, Vol-87, 1990;							
no	-	Database Genban 'Or	Hine!-Acces	sion No. X78863, 20 May-1994- otypes-1-to-5", XP002017147 *-	(1994-05-20) V AN	HDOORN-e	.al: " Se	:quence 6_1004			
Copy.		pages-18 7/1-1876.	-virus-acri	01ypes 10 0 ; 	abstract—and t. C	ILIV:-VIIIOL	., voi: / \	0, 1334,			
			linel Acces	sion No. D26387, 4 February 19	994 (1994-02-04) l	IQJTA et a	: Subty	pe ·			
0	\			donesia " XP 0020 17146 * ab stra	act-*-and-JCEIN-I	MICROBIOL	, Vol. 3	32,			
July		1994, pages 3049-305			,	1/170	1 115 4 1				
•	_	PROC. NATL. ACAD.	SCI_USA,	Vol. 87, 1990, pages 9254-9258	3, XP 00201/144 N	. KA+O et a -^-Niz	II: -"MOIC	eula r			
		Cloring of the numan	-PES-CO N	Virus Genome Ferm Japanese MMUN., Vol. 170, No. 3, 1990, p	Paner-1-A21-1-A25-	X-PA-201-7	1-45-N				
Copy	,			Major Types of Hepatitis C Vir		ΛΙ ΟΟ2017	145 11.				
20 P		Liu et al, "Genomic tyr (1992);	oing of hepa	atitis C viruses present in China	', GENE, Vol. 114,						
10				patitis C viruses based on phylo							
	•	nonstructural 5B regions and identification of five additional subtypes", Proceedings of the National Academy									
		DI SCIENCES OF USA, V	OI. 91, NO.	21, pages 10134-10138 (1994); s of benetitis C virus predicated	hy sequence analy	vsis of the n	utative !	=1 gene			
12		Bukh et al, "At least 12 genotypes of hepatitis C virus predicated by sequence analysis of the putative E1 gene of isolates collected worldwide", Proceedings of the National Academy of Sciences of USA, Vol. 90, pages									
	`	8234-8238 (1993)	onamido , i	. Josephings of the Hatterial Mod			· , pa;				
			analysis o	the core gene of the 14 hepatit	is C virus genotyn	es" Procee	dings of	the			

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

variability in the E2 and NS5 region", Archives of Virology, Vol. 139, No. 3/04, pages 379-388;

Driesel et al, "Hepatitis C virus (HCV) genotype distribution in german isolates: studies on the sequence

Stuyver et al, "Hepatisis C virus genotyping by means of 5'-UR/core line probe assays and molecular analysis

Tokita et al, "Hepatitis C virus variants from **V**ietnam are classifiable into the seventh, eighth and ninth major genenetic groups", Proceedings of the National Academy of Sciences of USA, Vol. 91, No. 23, pages 11022-

Date Considered

National Academy of Sciences of USA, Vol. 91, pages 8239-8424 (1994);

110**26** (199<u>4)</u>

*Examiner

of untypeable samples", Virus Research, Vol. 38, NO. 2-3, pages 137-157 (1995); Qu et al, Journal General Virology, Vol. 75, No. 5, pages 1063-1070 (1994)





INFORMATION DISCLOSURE CITATION

ATTY. DOCKET NO.

DIVISIONAL OF SERIAL NO.

2752-51 APPLICANT 08/362,455

Maertens et al

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FILING DATE

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		FORE	IGN PATENT DOCUMENTS							
				,		TRANS	LATION			
1	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO			
Fan T	93/06126	4/1993	WO							
السلا	93/10239	5/1993	WO							
24)	92/19743	11/1992	WO .							
-	-WO A 95 01442	1/1995	PCT of record							
	EP A 0 532 167	3/1993		,			 			
			EPO of record			-				
	EP 0419182	3/1991								
				<u> </u>	<u>L-,-</u>		1			
			cluding Author, Title, Date, Pertinen	τ pages,	etc.)					
19cm			73, pages 1131-1141, Chan et al.							
12			C in patients in Thailand", Biochemical and	d Biophysic	cal Research	l				
40	Communications, Vol. 183, No. 1, 1992, pp. 334-342 T.A. CHA et al., "At least five related but distinct genotypes of hepatitis C virus exist", Proc. National Acad. Sci., USA, Vol.									
19	89, pp. 7144-7148, Aug		. distinct generypes of hepatitis o virus exi-	ot , 1 100. 1	tanona 7 toat	ı. 00ı., 0	o, i, i o			
10/2	A. WEINER et al., "Vari	able and hyperva	ariable regions are found in the regions of	HCV corre	sponding to	the flaviv	rirus			
₹/	envelope and NS1 prote	eins", Virology, 1	80, (1991) pp. 842-848							
$ \mathcal{A}Q $	K. CHAYAMA et al., "Genotypic subtyping of hepatitis C virus", Journal of Gastro enterology and Hepatology, Vol. 8,									
1	(1993) pp. 150-156 L. STUYVER et al., "Analysis of the putative E1 envelope and NS4a epitope regions of HCV type 3", Biochemical and									
	Biophysical Research Communications, Vol. 192, No. 2, 1993, pp. 635-641									
19cm	L. STUYVER et al., "Typing of hepatitis C virus isolates and characterization of new subtypes using a line probe assay",									
	Journal of General Virology, Vol. 74, 1993, pp. 1093-1102									
42			pe-specific immunodominant epitopes in t	he NS4 re	gion of hepat	itis C viru	ıs",			
1-4-	Journal of Clinical Micro	biology, Vol. 31,	1993, pp. 1493-1503	and Applie	actiona Cobl	ooingar /	od)			
Cope	- 1988-Alan-RLiss , Inc.		uencing-and-synthesis,-Selected-Methods	-апо-Аррік	cauoris, ochr	esinger-(cu:/;-			
200	-CHEN-et-al. Virology, 1		-							
70/	-WALLACE et al., Metho		2: 432 (1987)							
William	BUKH, PNAS-89: 4942									
no			-Methods-and-Applications,-1990,-(Innis-e	t-al-(ed-),-	Academic-Pr	ess , N ev	/±York;			
Corpy -	pp. 3-11				_					
	Kato et al, "Molecular C	ioning of the Hur	man Hepatitis C Virus Genome Form Japa	nese Patio	onts with Nor	i-A Non-	В			
<u> </u>			SA, Vol. 87, 1990, pages 9254-9258, XP0							
	Database Genbank 'Online! Accession No. X78863, 20 May 1994 (1994-05-20) VAN-DOORN et al: "Sequence Analysis of Hepatitis C Virus Genotypes-1-to-5", XP002017147-*-abstract * and J. GEN. VIROL., Vol. 76, 1994, pages 1871-1876-									
	of Hepatitis C. Virus Genotypes-1-to-5", XP002017147-*-abstract * and J. GEN, VIROL., Vol. 76, 1994, pages 1871-1876- Database Genbank 'Online! Accession No. D26387, 4 February 1994 (1994-02-04) HOTTA et al: Subtype Analysis of									
ϵ	Database Genbank 'OnlineL Accession No. D26387; 4 February 1994 (1994-02-04) HOTTA et al: Subtype Analysis of Metapatitis G-Virus in Indenesia XP002017146 * abstract * and J. CLIN: MICROBIOL., Vol. 32, 1994, pages 3049-3051									
	PROC. NATL. ACAD. S	CI. USA-Vol. 87	, 1990, pages 9254-9258, XP002017144	N. KATO	t al: "Molec	ular Clon	ing of th			
	Human Hepatitis C Viru	s Genome Form	Japanese Patients with Non-A-Non-B He	patitis"	record					
			, Vol. 170, No. 3, 1990, pages 1021-1025		17145 N. EN	OTOMO	et al:			
1 1 7	"There are Two Major T	ypes of Hepatitic	G Virus in Japan" of record	<u> </u>						
A)	L CHAVAMA -1 -1 "C	anatunia auktu-i	na of honotitio C virual Journal of Cantus	tontorologi	and Handta	Joay Va	R			
E.	K. CHAYAMA et al., "G (1993) pp_150-156	enotypic subtypii	ng of hepatitis C virus", Journal of Gastro	renterology	and Hepato	logy, Vo	. 8,			

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